

Figure 1

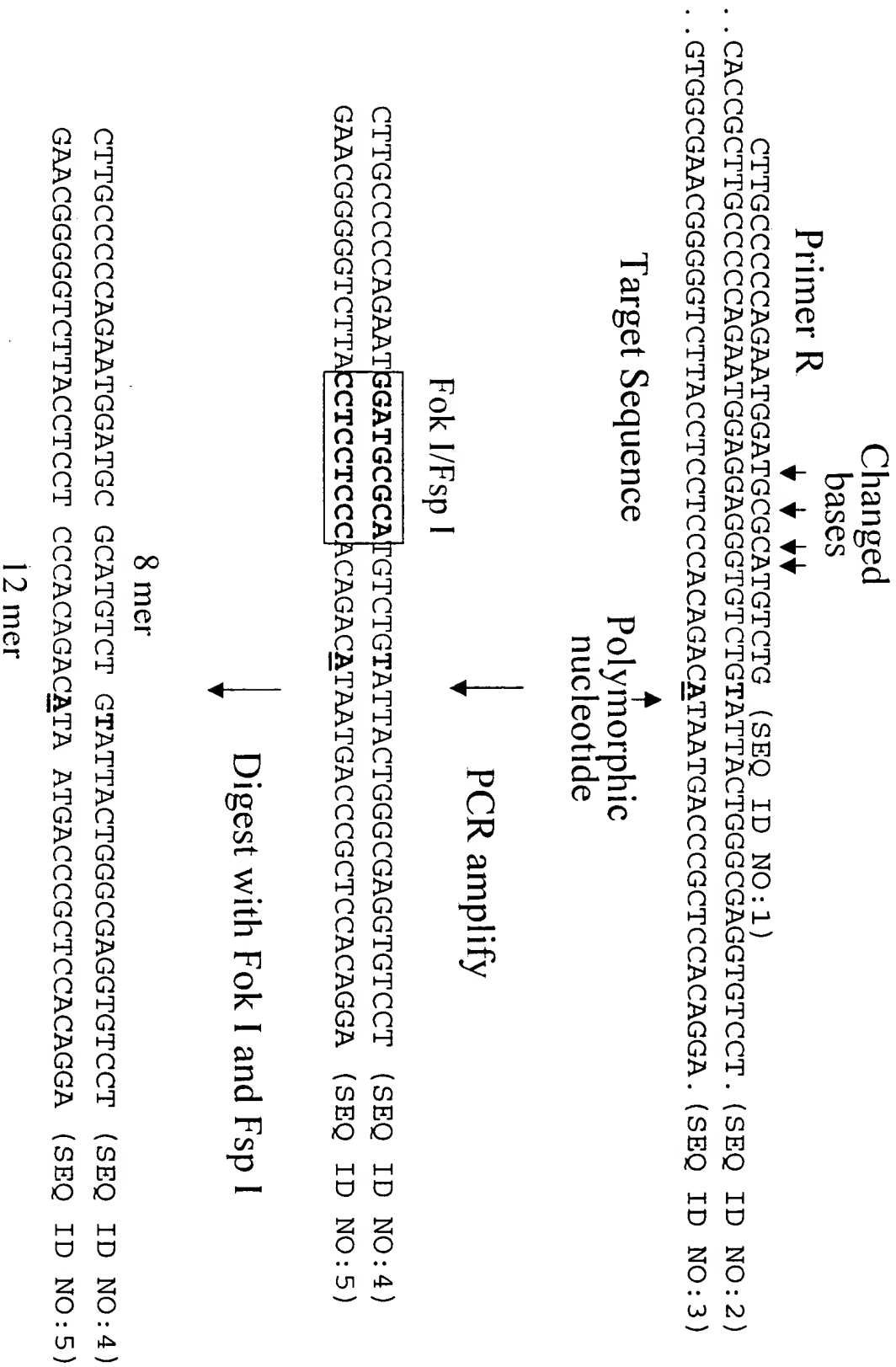


Figure 2

Fok I site

[illegible]

Cut with Fok I

nnnnnCGATGnnnnnnnnnn	nnnnnnnnnnnn
nnnnnnCCGACnnnnnnnnnnnn	nnnnnnnn

Fsp I

nnnnnnnTGCGCAnnnnnn
nnnnnnnACGCGTnnnnnn

Cut with Fsp I

nnnnnnTGC	GCAnnnnnn
nnnnnnACG	CGTnnnnnn

Figure 3





Figure 6. Introduction of Fok I and Pvu II sites during PCR by loop followed by endonuclease digestion

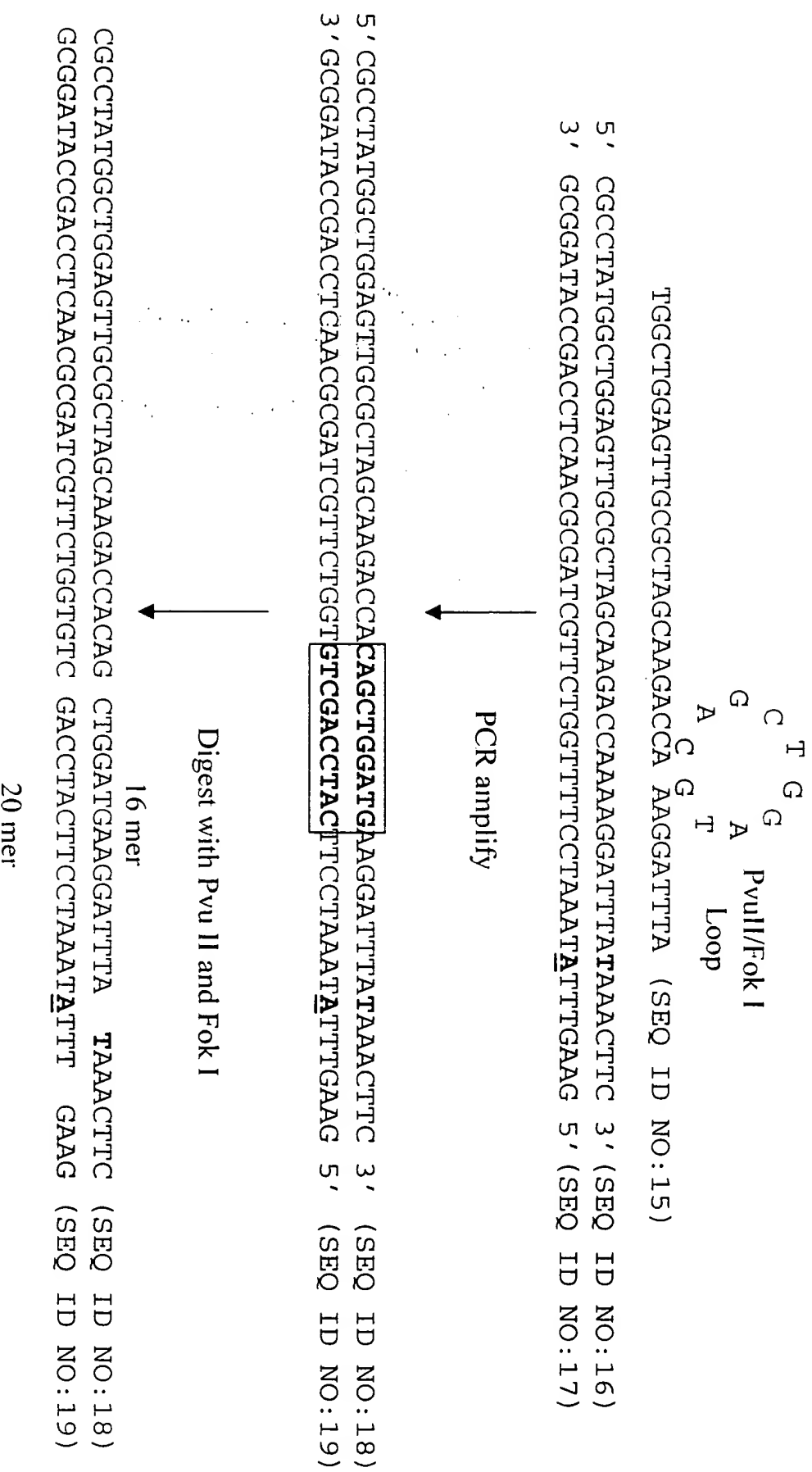


Figure 7

Fok I/Fsp I

CTTGCCCCCAGAAATGGAGGAGGATGGATGCGCA GGTGTCTGTATTACTGGCGAGGT (SEQ ID NO:20)
GAACGGGGGTCTTACCTCCTCCTACGCGTCCACAGACA TAATGACCCGCTCCA (SEQ ID NO:21)

↓
Remove nucleotides and
digest with Fok I

CTTGCCCCCAGAAATGGAGGAGGATGCCAGGTGT (SEQ ID NO:22)
GAACGGGGGTCTTACCTCCTCCTACGCGTCCACAGACA (SEQ ID NO:23)

↓
Fill in with mass
Modified nucleotide

CTTGCCCCCAGAAATGGAGGAGGATGCCAGGTGTCTGT^{mod} (SEQ ID NO:24)
GAACGGGGGTCTTACCTCCTCCTACGCGTCCACAGACA (SEQ ID NO:23)



Fig.



Figure 10

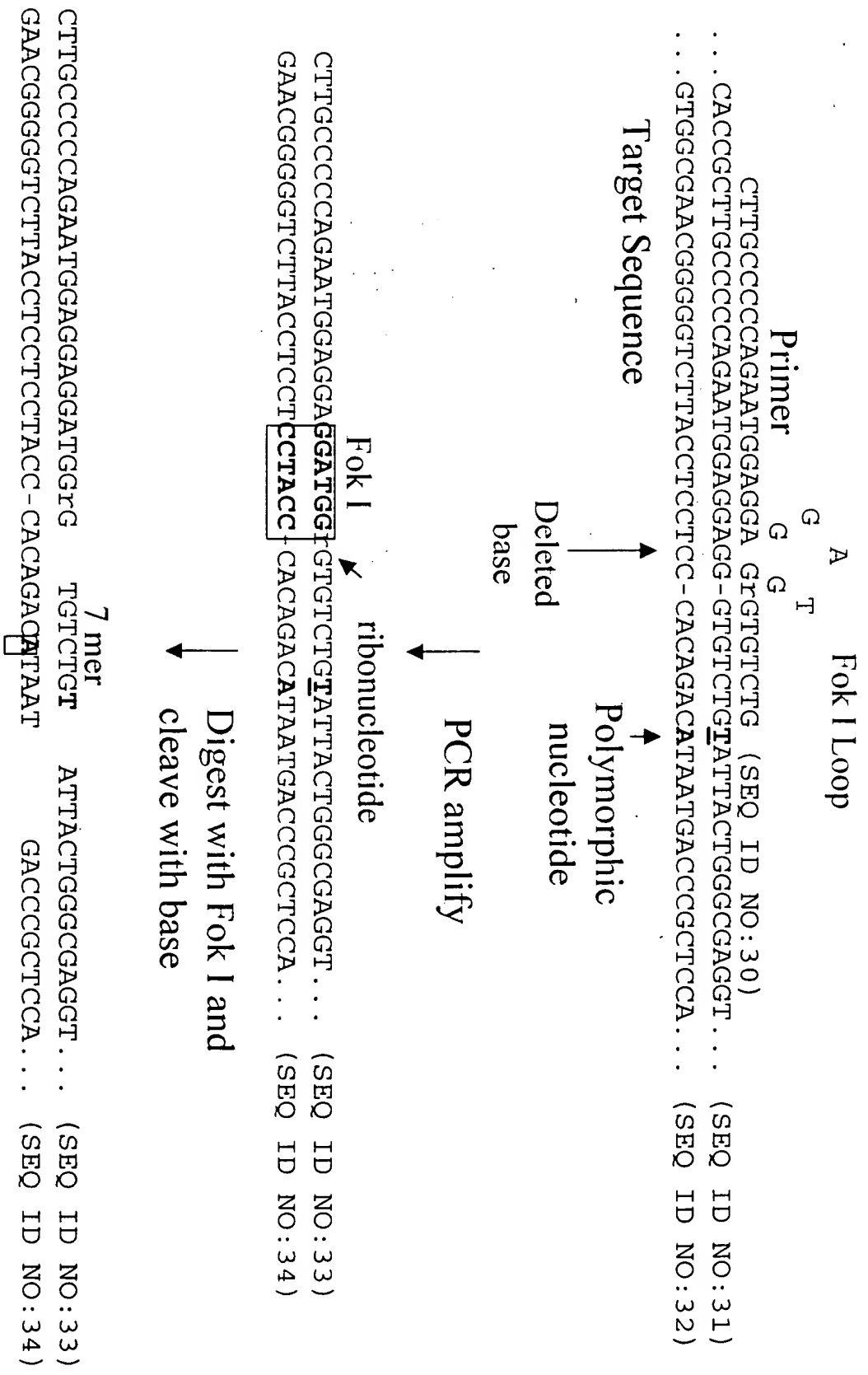


Figure 11. Methods for haplotyping based on physical allele separation

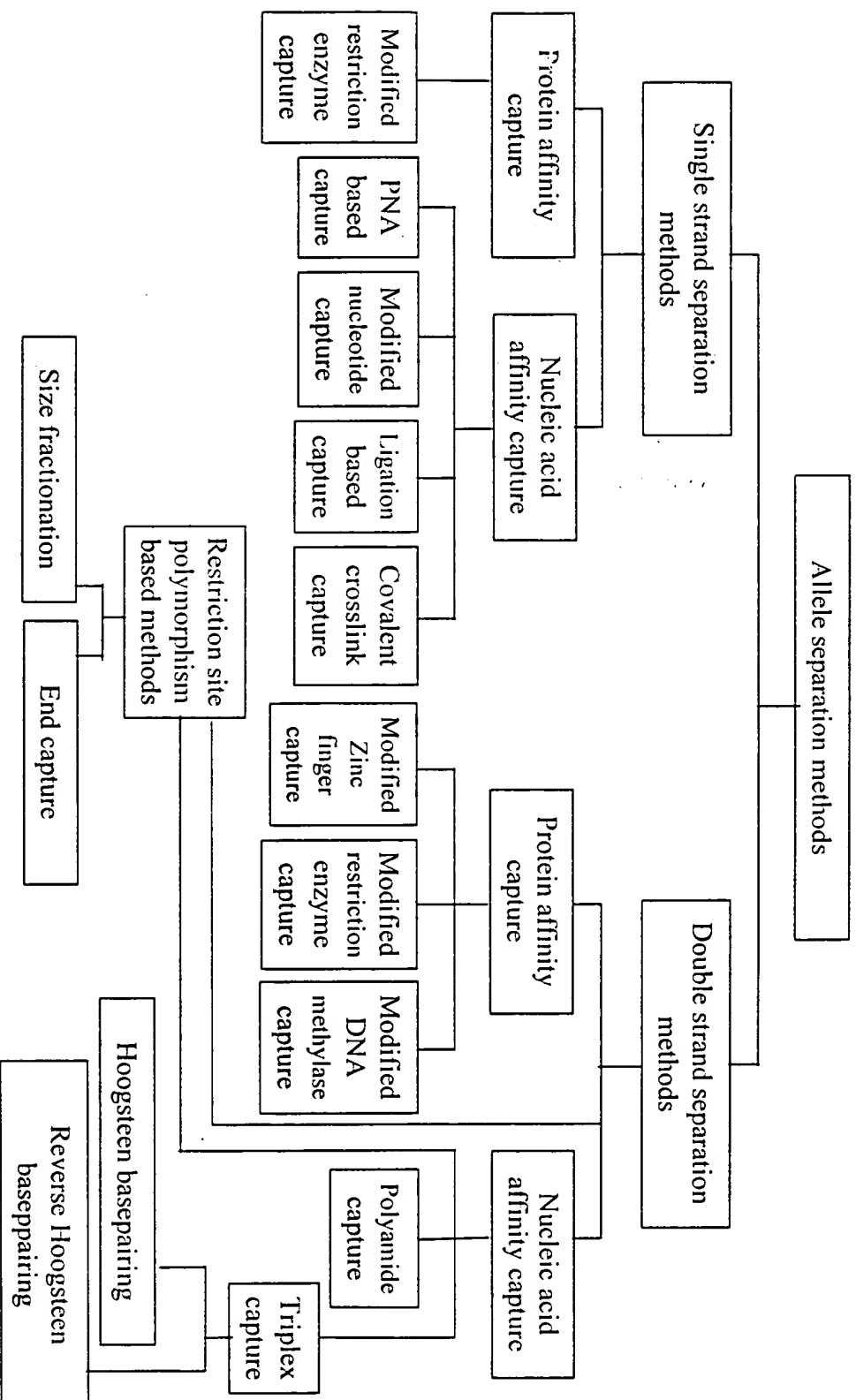
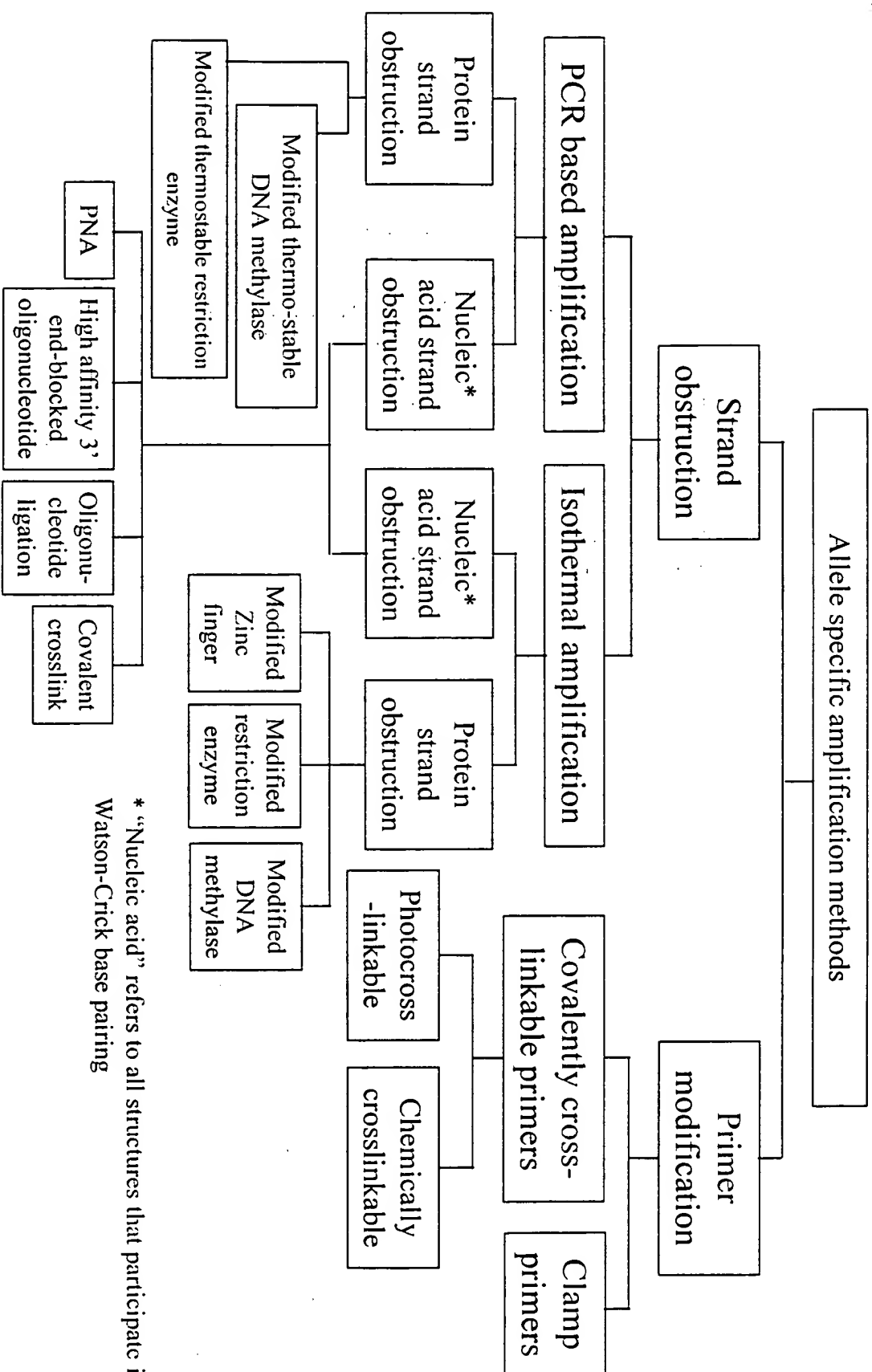


Figure 12. Methods for haplotyping based on allele specific amplification



* "Nucleic acid" refers to all structures that participate in Watson-Crick base pairing

A circular ink stamp from the FBI New York office, dated June 10, 1964. The text 'FBI - NEW YORK' is curved along the top inner edge, and 'JUN 10 1964' is in the center.